Amendments to the Claims:

Please cancel claims 1-30 and insert new claims 31-46 therefor:

1.-30. (cancelled).

1   31. (new) A programmable control for an appliance, the appliance
2   responding to one of a plurality of transmission schemes, the programmable control
3   comprising:
4   a transmitter operative to transmit a radio frequency activation signal
5   based on any of the plurality of transmission schemes;
6   a user programming input; and
7   control logic in communication with the transmitter and the user
8   programming input, the control logic implementing a rolling code programming
9   mode, a fixed code programming mode and an operating mode, the control logic in
10   rolling code programming mode generating and transmitting a sequence of rolling
11   code activation signals until user input indicates a successful rolling code
12   transmission scheme, the control logic in fixed code programming mode receiving
13   a fixed code from the user programming input then generating and transmitting a
14   sequence of fixed code activation signals until user input indicates a successful fixed
15   code transmission scheme, the control logic pausing for a preset amount of time
16   between the transmission of each activation signal in at least one of the sequence of
17   rolling code activation signals and the sequence of fixed code activation signals, the
18   preset amount of time sufficiently long to permit the user to respond and, if the user
19   has not responded by the end of the preset amount of time, the control unit
20   transmitting the next activation signal in the transmitted sequence of activations
21   signals.

1   32. (new) The system of claim 31 wherein the user responds by
2   selecting one of a plurality of activation inputs.

1   33. (new) The system of claim 32 wherein the control unit stores

2   characteristics of the last transmitted activation signal in association with the selected

3   one of the plurality of activation inputs.

1   34. (new) The system of claim 33 wherein the control logic in the

2   operating mode determines which one of the plurality of activation inputs has been

3   asserted and transmits an activation signal based on the stored characteristics

4   associated with the asserted activation input.

1   35. (new) A method of activating an appliance, the appliance

2   controlled by a radio frequency activation signal, the method comprising:

3   if a user indicates that the appliance is activated by a rolling code

4   activation signal, transmitting a sequence of different rolling code activation signals,

5   each rolling code activation signal in the sequence of rolling code activation signals

6   separated from a next rolling code activation signal in the sequence of rolling code

7   activation signals by a preset amount of time, the sequence of rolling code activation

8   signals transmitted until the user indicates a successful rolling code transmission,

9   then storing data representing a rolling code scheme used to generate the successful

10   rolling code transmission;

11   if the user indicates that the appliance is activated by a fixed code

12   activation signal, using a fixed code word to generate and transmit each of a

13   sequence of different fixed code activation signals, each fixed code activation signal

14   in the sequence of activation signals separated from a next fixed code activation

15   signal in the sequence of fixed code activation signals by the preset amount of time,

16   the sequence of fixed code activation signals transmitted until the user indicates a

17   successful fixed code transmission, then storing data representing the fixed code

18   word and a fixed code scheme used to generate the successful fixed code

19   transmission; and

20   in response to an activation input, generating and transmitting an

21   activation signal based on stored data.

1   36. (new) The method of claim 35 wherein the activation input is

2   one of a plurality of activation inputs, the user associating data representing one of

3   either the rolling code scheme used to generate the successful rolling code

4   transmission or the fixed code scheme used to generate the successful fixed code

5   transmission associated with one of the plurality of activation inputs.

1   37. (new) The method of claim 35 wherein the activation input is

2   one of a plurality of activation inputs, the user associating data representing the

3   rolling code scheme used to generate the successful rolling code transmission with

4   one of the plurality of activation inputs by indicating the successful rolling code

5   transmission.

1   38. (new) The method of claim 35 wherein the activation input is

2   one of a plurality of activation inputs, the user associating data representing the fixed

3   code word and the fixed code scheme used to generate the successful fixed code

4   transmission with one of the plurality of activation inputs by indicating the

5   successful fixed code transmission.

1   39. (new) A method of programming a programmable remote

2   control, the remote control programmable to one of a plurality of appliance

3   activation schemes, the method comprising:

4   receiving user type input specifying activation signal type;

5   if the user type input specifies variable code type, transmitting

6   variable code activation signals spaced apart by a preset amount of time until

7   receiving user success input indicating a target appliance has been activated;

8   if the user type input specifies fixed code type, receiving user fixed

9   code input providing a fixed code and transmitting fixed code activation signals

10   spaced apart by the preset amount of time until receiving user success input

11   indicating the target appliance has been activated; and

12   storing information specifying an activation signal for activating the

13   target appliance based on the received user success input;

14   wherein the preset amount of time is sufficiently long enough to

15   permit a user to generate the user success input.

1   40.   (new)   The method of claim 39 further comprising associating

2   the stored information with one of the plurality of activation inputs.

1   41.   (new)   The method of claim 40 wherein the one of the plurality

2   of activation inputs is determined by the received user success input.

1   42.   (new)   A system for wirelessly activating an appliance, the

2   appliance responding to one of a plurality of transmission schemes, the system

3   comprising:

4   a radio frequency transmitter;

5   memory holding data describing the plurality of transmission

6   schemes; and

7   control logic in communication with the transmitter and the memory,

8   the control logic operative to

9   (a)   store a fixed code,

10   (b)   if a fixed code is stored, transmit a sequence of fixed code

11   activation signals, based on the fixed code and data held in

12   the memory, until input indicating activation of the appliance

13   is received, each transmission of a fixed code activation

14   signal in the sequence of fixed code activation signals

15   followed by a fixed code sequence time period without

16   transmission long enough to permit a user to enter the input

17   indicating activation of the appliance,

18   (c)   if no fixed code is stored, transmit a sequence of rolling code

19   activation signals, based on data held in the memory, until

20   input indicating activation of the appliance is received, each

21   transmission of a rolling code activation signal in the

22   sequence of rolling code activation signals followed by a

23   rolling code time period without transmission long enough to

24   permit the user to enter the input indicating activation of the

25   appliance,

26   (d)   store an indication as to which activation scheme activated the

27   appliance based on the received input indicating activation of

28   the appliance, and

29   (e)   generate an activation signal based on the stored indication

30   and a received activation input.

1   43. (new) A method of programming a programmable remote

2 control, the remote control programmable to one of a plurality of appliance

3 activation schemes, the method comprising:

4   transmitting a test activation signal based on one of the plurality of

5 appliance activation schemes;

6   if user input indicating appliance activation is received during a preset

7 amount of time following transmission of the test activation signal, storing

8 characteristics of the activation scheme used to transmit the test activation signal;

9   otherwise, transmitting a different activation signal as the test

10 activation signal based on another of the plurality of appliance activation schemes

11 if any of the activation schemes in the plurality of activation signals has not been

12 used to transmit an activation signal.

1   44. (new) The method of claim 43 wherein the user input is one of

2 a plurality of activation inputs.

1   45. (new) The method of claim 44 wherein the characteristics of the

2 activation scheme used to transmit the test activation signal are stored in association

3 with the one activation input.